SHARP®

DVD Video Player

MODEL

DV-SL80U

OPERATION MANUAL

RW COMPATIBLE

INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

Please read this Operation Manual carefully before using your DVD Video Player.

DVD VIDEO

COMPACT disc DIGITAL AUDIO

DOLBY DIGITAL

MP3

energy ENERGY STAR

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For future reference, record the serial number (located on the rear of the Unit) in the space provided.

Model No.: DV-SL80U

Serial No.: _____

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
ATTENTION: POUR ÉVITAR LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol warns the user of uninsulated voltage within the unit that can cause dangerous electric shocks.

This symbol alerts the user that there are important operating and maintenance instructions in the literature accompanying this unit.

"WARNING—FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment."

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

INFORMATION
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
Este aparato digital de la Clase B cumple con la norma ICES-003 de Canadá.

CAUTION:
THIS UNIT IS A CLASS 1 LASER PRODUCT.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
AS THE LASER BEAM USED IN THIS UNIT IS HARMFUL TO THE EYES, DO NOT ATTEMPT TO DISASSEMBLE THE CABINET.
REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

Products that have earned ENERGY STAR® are designed to protect the environment through superior energy efficiency.

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IMPORTANT SAFEGUARDS

1) Read Instructions - All the safety and operating instructions should be read before the product is operated.
2) Retain Instructions - The safety and operating instructions should be retained for future reference.
3) Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
4) Follow Instructions - All operating and use instructions should be followed.
5) Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6) Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7) Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8) Accessories - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9) A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10) Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11) Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12) Grounding or Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13) Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
14) Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
15) Power lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
16) Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17) Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
18) Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19) Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way, and
    f) When the product exhibits a distinct change in performance - this indicates a need for service.
20) Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
21) Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
22) Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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Service

1. Do not attempt to service this Unit yourself. Instead, unplug it and contact a qualified service technician. (See **LIMITED WARRANTY** at the end of this manual.)
2. Be sure the service technician uses authorized replacement parts or their equivalents. Unauthorized parts may cause fire, electrical shock, or other hazards.
3. Following any service or repair, be sure the service technician performs safety checks to certify that this Unit is in safe operating order.

Copy Protection

This Unit supports Macrovision copy protection.
On DVD discs that include a copy protection code, if the contents of the DVD disc are copied using a VCR, the copy protection code prevents the videotape copy from playing normally.

Apparatus Claims of U.S. Patent Nos. 4,631,603, 4,577,216, 4,819,098 and 4,907,093 licensed for limited viewing uses only.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Recommended Measures for Optimum Picture Excellence

This Unit is a precision device constructed using extremely accurate technology.
- The disc cannot be played if the disc drive component is worn out or if the internal pick up lens is dirty.
- If this unit still does not perform properly although you refer to the relevant sections and to TROUBLESHOOTING GUIDE on page 18, the laser optical pickup unit may be dirty. Consult a Sharp Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

Notice for progressive scan outputs

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 progressive scan picture problems, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding our TV set compatibility with this model 525p DVD player, please contact our customer service center.

Warning of Dew Formation

Dew may form on the pickup lens in the following conditions.
- When the unit is suddenly moved from a cold environment to a warm one.
- Immediately after a heater has been turned on.
- In a steamy or very humid room.

If dew forms inside this unit, it may not operate properly. In this case, turn on the power and wait about one hour for the dew to evaporate.

Others

It is the intent of Sharp that this product be used in full compliance with the copyright laws of the United States and that prior permission be obtained from copyright owners whenever necessary.

"Licensed under one or more of U.S. Pat. 4,972,484, 5,214,678, 5,323,396, 5,530,655, 5,539,829, 5,544,247, 5,606,618, 5,610,985, 5,740,317, 5,777,992, 5,878,080, or 5,960,037."

FEATURES

- **Progressive Scan system**
- **Dolby Digital sound**

  This player can handle Dolby Digital surround sound having 5.1 channels when connected to a Dolby Digital decoder.
- **Still/fast/slow/step playback**
- **Rapid Play**

  Playback in slightly faster/ slower speed while keeping the sound quality as in the normal playback.

  Rapid Play is available only on discs recorded in the Dolby Digital format.
- **Random playback for audio CD and MP3**
- **Program playback for audio CD and MP3**
- **DVD menus in a desired language**
- **Screen saver/Auto power-off functions**

  The screen saver program starts when there is no input from the player for 5 minutes in the stop mode. When the screen saver program is activated for 30 minutes, the power is automatically turned off.
- **Subtitles in a desired language**
- **Selecting a camera angle**
- **Choices for audio language and sound mode**
- **Parental lock**
- **Automatic detection of discs**

  This player automatically detects if a loaded disc is DVD, audio CD or MP3 disc.
- **Playing an MP3 disc**
- **Direct Search**
- **On-screen display**

  Information about the current operation can be displayed on a TV screen, allowing you to confirm the currently active functions (such as program playback), on the TV screen using the remote control.
- **Search**

  Chapter search / Title search / Track search / Time search
- **Repeat**

  Chapter / Title / Track / Group / All / A-B
- **Zoom**
- **Marker**

  The part designated by user can be called back.
- **Resume Play**
- **Virtual Surround**
- **Component Video Out Jacks**

  Jacks located on the back of the DVD Player which are used to send high-quality video to a TV via Component Video In Jacks.
- **Dimmer**
- **Bit rate indication**
- **DRC (Dynamic range control)**

  You can control the range of sound volume.
- **Black Level Setting**

Manufactured under licence from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

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INTRODUCTION

Symbols Used in this Manual

The following symbols appear below in some headings and notes in this manual, with the following meanings!

DVD

: Description refers to playback of DVD video discs. (including DVD-RW/R, DVD+RW/R discs (Video mode only))

CD

: Description refers to playback of audio CDs.

MP3

: Description refers to playback of MP3 discs.

DVD-RW
VR mode

: Description refers to playback of the VR mode (Video Recording format).

*The VR mode (Video Recording format) is a recording mode to enjoy editing the program or “manual mode” for recording in desired resolution and time.

(QUICK)

: Basic setup can be performed more quickly by selecting (QUICK setup menu).

Supplied Accessories

- Remote control (9HSNA999UD)
- Two AA batteries
- Operation Manual
- Audio/Video cables

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ABOUT THE DISCS

Playable Discs

The following discs can be played back on this DVD player.

• DVD video • DVD-RW/R* • DVD+RW/R* • Audio CD • CD-RW/R* • MP3*

*Depending on the types or the writing method of the medium some discs can not be played.
For DVD+RW/R, only discs recorded in the Video mode can be played back.

- Some DVD-RW/R, DVD+RW/R, or CD-RW/R discs made on personal computers, or on DVD recorders may not be played back properly due to the factors such as scratches, dirt or special properties of the disc.
- Discs made on personal computers may not be played back properly due to the different environment or the settings of the application you use. We recommend always to use the standardized, correctly formatted discs. (Please contact the sales agency for more detail).
- You can play back discs which bear the marks on page 19. If you use nonstandardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
- This player conforms to the NTSC color system. You cannot play discs recorded in other color systems such as PAL or SECAM.
- Some discs include region codes as shown below.

- The number inside the symbol refers to a region of the world, and a disc encoded in a specific region format can only be played back on DVD player with the same region code.

RW COMPATIBLE :This label indicates playback compatibility with DVD-RW discs recorded in VR mode (Video Recording Format).

NOTE: This player cannot play the DVD-RW that supports CPRM (Contents Protection for Recordable Media).

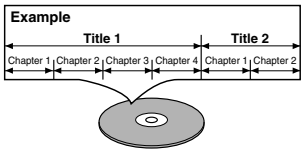
For Customer Use:
Read carefully the information located at the bottom of your DVD player and enter below the Serial No.Retain this information for future reference.
Model No. DVD player : DV-SL80U
Serial No. _____

- **On the following discs, only the sound can be heard (picture cannot be viewed).**
  CDV, CD-G
- **NEVER play back the following discs. Otherwise, malfunction may result!**
  DVD-RAM, CD-I, Photo CD, Video CD,
  DVD with region codes other than 1 or ALL,
  DVD-ROM for personal computers,
  DTS-CD,
  CD-ROM for personal computers
- **On the following disc, the sound MAY NOT be heard.**
  Super Audio CD
  NOTE: Only the sound recorded on the normal CD layer can be delivered.
  The sound recorded on the high density Super Audio CD layer cannot be delivered.
- *Any other discs without compatibility indications are **NOT PLAYABLE.***

Disc Types

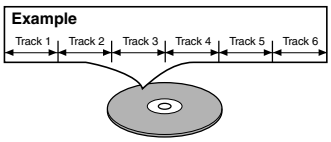
[DVD]

Data on a DVD is divided into sections called "titles", and then into subsections called "chapters", each of which is given a title or chapter number. Playback conditions are preset on some DVD video discs, and these playback conditions take priority over user operations on this player. If a function you selected do not run as desired, refer to the manual accompanying the disc.



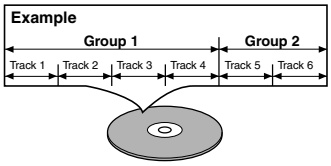
[Audio CD]

Data on an audio CD is divided into sections called “tracks”, each of which is given a track number.



[MP3]

Data on an MP3 disc is divided into sections called "groups", and then into subsections called "tracks", each of which is given a group or track number.



Selecting 525p (480p) Progressive Scan or 525i (480i) Interlaced Playback

- If your TV is compatible with 525p (480p) progressive scanning, connect the TV to the Component Video Output jacks of the DVD player and set “PROGRESSIVE” to “ON” in the display setting. Next, set your TV to the progressive scan mode. Refer to page 16 for instructions on changing the display setting.
- If your TV is not compatible with progressive scan, set “PROGRESSIVE” to “OFF”.
- Use a commercially available adaptor if the video input jacks of your TVs or monitors are the BNC type.

What is Progressive Scanning?

- Unlike conventional interlace scanning, the progressive scan system provides less flickering and images in higher resolution than that of traditional 525i (480i) television signals.

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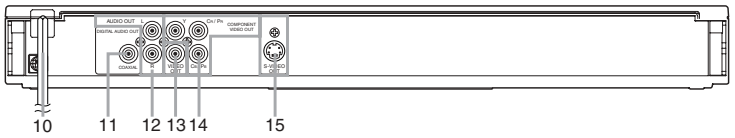
FUNCTIONAL OVERVIEW

FRONT PANEL

REAR VIEW

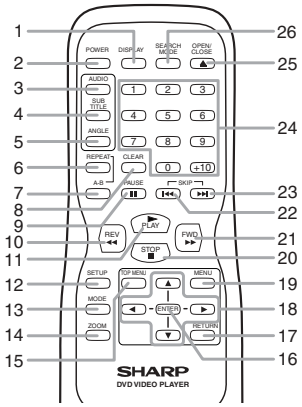


1. **POWER**
   to switch the player to ON or OFF
2. **PLAY**
   to start or resume disc playback
3. **STOP**
   to stop playback
4. **SKIP |◀◀ / REV ◀◀**
   goes to previous chapter or track during playback; press and hold for 1.5 seconds for a reverse search
5. **SKIP ▶▶| / FWD ▶▶**
   goes to next chapter or track during playback; press and hold for 1.5 seconds for a forward search
6. **OPEN/CLOSE**
   to open/close the disc tray
7. **Disc tray**
8. **Remote sensor window**
9. **Display**
10. **MAIN (AC Power Cord)**
    connect to a standard AC outlet
11. **COAXIAL (Digital audio out)**
    connect to AUDIO inputs of a digital (coaxial) audio equipment
12. **AUDIO OUT (Left/Right)**
    connect to AUDIO inputs of an amplifier, receiver or stereo system
13. **VIDEO OUT**
    connect to the Video Input of a TV
14. **COMPONENT VIDEO OUT**
    connect to a TV with Component video in jacks
15. **S-VIDEO OUT**
    connect to a TV with S-Video inputs

CAUTION:

- **Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the player.**

REMOTE CONTROL



1. **DISPLAY Button [page 14]**
   Displays the current status on the TV screen for checking purposes.
2. **POWER Button [page 10]**
   Press to turn the power on and off.
3. **AUDIO Button [page 13]**
   Press to select a desired audio language or sound mode.
4. **SUBTITLE Button [page 14]**
   Press to select a desired subtitle language.
5. **ANGLE Button [page 14]**
   Press to change the camera angle to see the sequence being played back from a different angle.
6. **REPEAT Button [page 12]**
   Repeats playback of the current disc, title, chapter or track.
7. **A-B REPEAT Button [page 12]**
   Repeats playback of a selected section.
8. **CLEAR Button [page 12]**
   Resets a setting.
9. **PAUSE Button [page 10]**
   Pause playback temporarily/frame-by-frame playback.
10. **REV Button [page 11]**
    Fast reverse playback to a desired point.
11. **PLAY Button [page 10]**
    Starts playback of the disc contents.
12. **SETUP Button [page 15]**
    Press to enter the setup mode or to change setup items.
13. **MODE Button [page 10, 12, 13, 15]**
    Activates program playback or random playback mode.(CD/MP3)
    Activates the Virtual Surround, Black level, or Rapid Play.(DVD)
14. **ZOOM Button [page 11]**
    Enlarges part of a DVD-reproduced image.
15. **TOP MENU Button [page 10]**
    Displays the title menu.
16. **ENTER Button [page 10]**
    Press to accept a setting.
17. **RETURN Button [page 15]**
    Returns to the previous operation.
18. **Arrow Buttons (▲ / ▼ / ◀ / ▶) [page 10]**
    Use when making settings while watching the display on a TV screen.
19. **MENU Button [page 10]**
    Displays the DVD menus and MP3 file lists.
20. **STOP Button [page 10]**
    Stops operation of the disc.
21. **FWD Button [page 11]**
    Fast forwards playback to a desired point.
22. **SKIP |◀◀ Button [page 11]**
    Plays back from the beginning of the current chapter or track.
23. **SKIP ▶▶| Button [page 11]**
    Plays back from the beginning of the next chapter or track.
24. **Numerical Buttons [page 11]**
25. **OPEN/CLOSE Button [page 10]**
    Press to insert discs into or remove them from the tray.
26. **SEARCH MODE Button [page 11, 14]**
    Press to locate a desired point or to memorize your favorite places on a disc.

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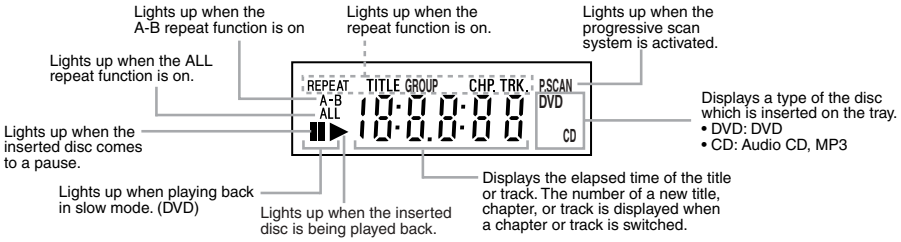
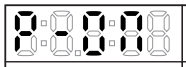
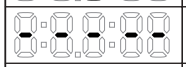
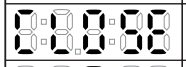
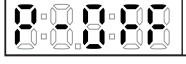
FUNCTIONAL OVERVIEW

Display

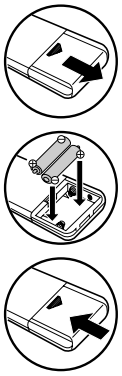

Lights up when the A-B repeat function is on
Lights up when the repeat function is on.
Lights up when the progressive scan system is activated.
Lights up when the ALL repeat function is on.
REPEAT
A-B
ALL
TITLE GROUP
CHP. TRK.
PSCAN
DVD
CD
Lights up when the inserted disc comes to a pause.
Displays a type of the disc which is inserted on the tray.
• DVD: DVD
• CD: Audio CD, MP3
Lights up when playing back in slow mode. (DVD)
Lights up when the inserted disc is being played back.
Displays the elapsed time of the title or track. The number of a new title, chapter, or track is displayed when a chapter or track is switched.

Displays During Operation

	Power on
	No disc inserted or cannot read the disc
	Tray open
	Tray closed
	Loading the Disc
	Power off

Loading the Batteries

1. Open the battery compartment cover.
2. Insert two AA batteries, with each one oriented correctly.
3. Close the cover.



NOTES:

- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.

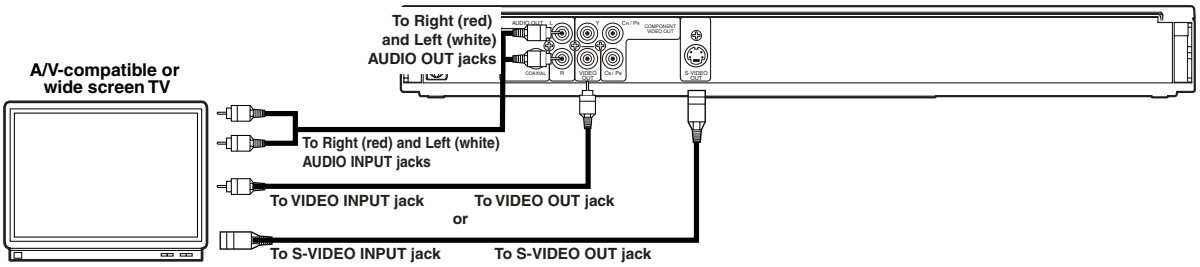
HOOK UPS

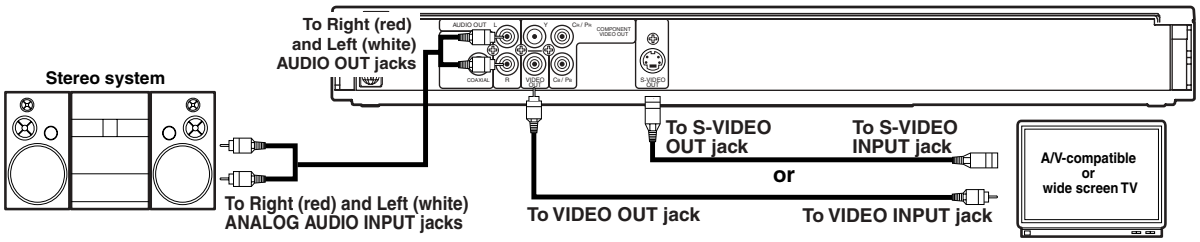
CAUTION:

- Be sure to turn off the Player and equipment to be connected before connecting.
- Read through the operation manual for the equipment to be connected.
- Be sure that the colors of the jacks and plugs match up when using Audio/Video cables.
- Be sure to keep the Player connection cables separate from the TV antenna cable when you install the Player, because it may cause electrical interference when you are watching television programs.

Connecting to a TV using a VIDEO OUT Jack or a S-VIDEO OUT Jack

The S-VIDEO connection provides a better quality video signal than the VIDEO (COMPOSITE) output. Use a commercially available S-VIDEO cable to connect from the Player to the TV.


To Right (red) and Left (white) AUDIO OUT jacks
A/V-compatible or wide screen TV
To Right (red) and Left (white) AUDIO INPUT jacks
To VIDEO INPUT jack
To VIDEO OUT jack
or
To S-VIDEO INPUT jack
To S-VIDEO OUT jack


To Right (red) and Left (white) AUDIO OUT jacks
Stereo system
To S-VIDEO OUT jack
To S-VIDEO INPUT jack
or
A/V-compatible or wide screen TV
To Right (red) and Left (white) ANALOG AUDIO INPUT jacks
To VIDEO OUT jack
To VIDEO INPUT jack

- When the Player is connected to a TV using both a VIDEO cable and an S-VIDEO cable, only the S-VIDEO connection is enabled (the VIDEO connection is disabled).
- You will not be able to hear all of the sound being output by the Player if you use the VIDEO/AUDIO cable (supplied) to a monaural TV that has only one AUDIO input jack.

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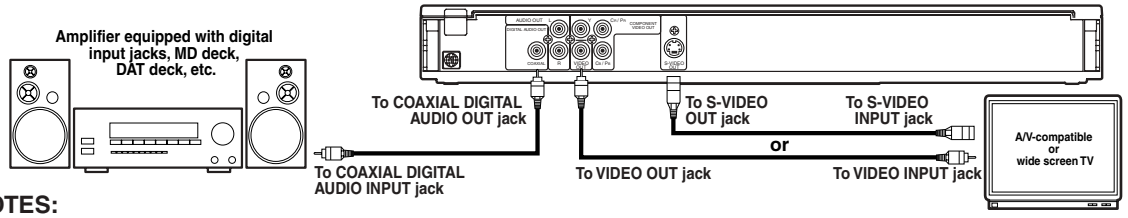
HOOK UPS

NOTES:

- Connect the DVD player directly to a TV. If the Audio/Video cables are connected to a VCR, pictures may be distorted due to the copy protection system.
- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the Operation Manuals for your TV, stereo system and any other components to be connected to the DVD player.
- This player does not support DTS audio.

Connecting to an Amplifier Equipped with Digital Input Jacks such as MD deck or DAT deck

Use an audio coaxial digital cables (not included) for the audio connections. Connecting to an amplifier equipped with digital input jacks such as MD Deck or Dat Deck.


Amplifier equipped with digital input jacks, MD deck, DAT deck, etc.
To COAXIAL DIGITAL AUDIO OUT jack
To S-VIDEO OUT jack
To S-VIDEO INPUT jack
or
To COAXIAL DIGITAL AUDIO INPUT jack
To VIDEO OUT jack
To VIDEO INPUT jack
A/V-compatible or wide screen TV

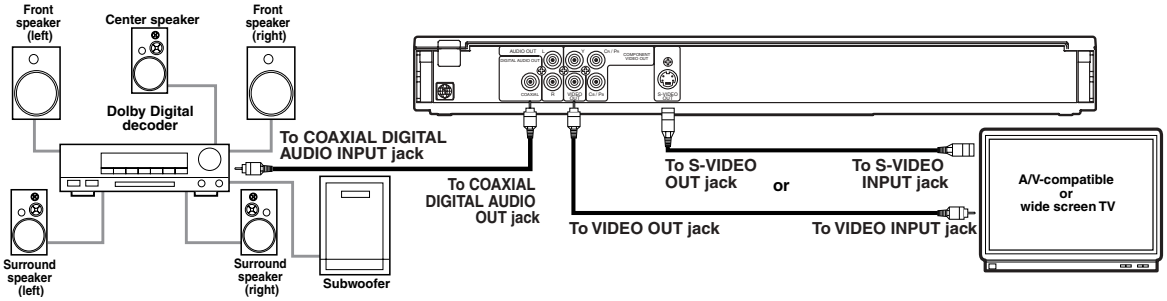
NOTES:

- The audio source on a disc in a Dolby Digital 5.1 channel surround format cannot be recorded as digital sound by an MD or DAT deck.
- Set "DOLBY DIGITAL" to "DPCM" for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers. (Refer to page 15 to change the audio settings.)

Connecting to a Dolby Digital decoder

If using this DVD player to play back a DVD in a Dolby Digital 5.1 channel surround format, the DVD player outputs a Dolby Digital data stream from its COAXIAL DIGITAL AUDIO OUT jack. By hooking the player up to a Dolby Digital decoder, you can enjoy a more convincing, realistic ambience with powerful and high-quality surround sound of a professional standard as can be heard in movie theaters.

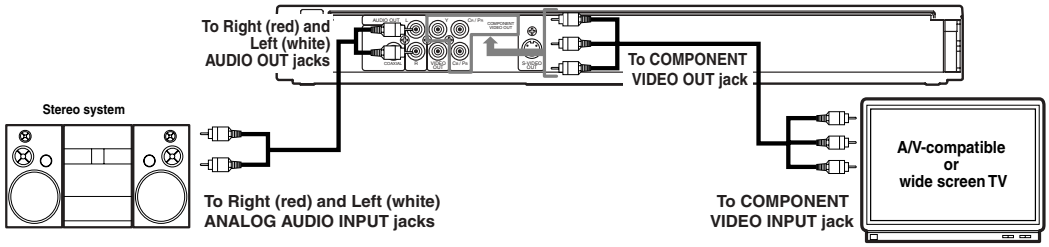
Use audio coaxial digital cables (commercially available) for the audio connections.



NOTES:

- If the output is Dolby Digital-encoded audio, connect a Dolby Digital decoder, and set "DOLBY DIGITAL" to "BITSTREAM" for audio output in the setup mode.
- Unless connected to a Dolby Digital decoder, set "DOLBY DIGITAL" to "DPCM" for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers.

Connecting to a TV or a Stereo TV that has Component VIDEO In Jacks


To Right (red) and Left (white) AUDIO OUT jacks
To COMPONENT VIDEO OUT jack
Stereo system
To Right (red) and Left (white) ANALOG AUDIO INPUT jacks
To COMPONENT VIDEO INPUT jack
A/V-compatible or wide screen TV

NOTE:

- If your TV is compatible with 525p (480p) progressive scanning, connect the TV to Component Video Output jacks of the DVD player, and make sure that "PROGRESSIVE" is "ON". Refer to page 16 for more details.

HOW TO CONNECT TO A TV WITHOUT AUDIO/VIDEO INPUT JACKS

If your TV does not have RCA type audio and video input jacks it is still possible to connect this DVD player to your TV's 75-ohm coaxial antenna terminal using a commercially available Stereo Audio/Video RF Modulator. Connect the audio and video outputs of the DVD player to the audio and video inputs on the RF Modulator, and then connect the coaxial output of the RF Modulator (usually marked "TO TV") to the 75 ohm coaxial antenna terminal on your TV. Follow the instruction supplied with the RF Modulator for more details.
If your TV's 75 ohm coaxial antenna terminal is already occupied by an antenna or cable box connection, remove that cable from your TV's antenna terminal and reconnect it to the coaxial antenna input terminal of the RF Modulator (usually marked "ANT IN"), then connect the RF modulator to your TV's antenna terminal as described above.

NOTE

- The picture quality from DVD discs will not be as good if the DVD player is connected to the TV's antenna terminal through an RF Modulator.

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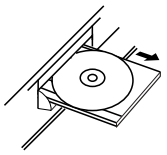
Basic Playback

DVD | DVD-RW (VR mode) | CD | MP3

Getting started

- Turn on the power of the TV, amplifier and any other components which are connected to the DVD player.
- Make sure the TV and audio receiver (commercially available) are set to the correct channel.

1. Press **POWER**.
   - "P-ON" will appear briefly on the display panel.
2. Press **OPEN/CLOSE** to open disc loading tray.
3. Place the chosen disc on the tray, with the label facing up.
4. Press **PLAY**.
   - The tray will close automatically, and playback will then start from the first chapter or track of the disc. If the playback does not start automatically, press **PLAY**.
   - When you playback the DVD which a title menu is recorded, it may appear on the screen. In this case, refer to "TITLE MENU".
5. Press **STOP** to stop playback.



NOTES:

- A "prohibited icon" may appear at the top-right on the TV screen during operation, warning that a prohibited operation has been encountered by the DVD player or the disc.
- With DVDs that use some titles for playback program signals, playback may start from the second title, or it may skip these titles.
- During the playback of two layered disc, pictures may stop for a moment. This happens when the 1st layer switches to the 2nd layer. This is not a malfunction.
- A DVD-RW disc recorded in the VR mode may freeze momentarily during playback depending on how the playlist was made and edited (deleted titles, repeated recording).

General Features

DVD may contain menus to navigate the disc and access special features. Enter an appropriate number or use **Arrow (▲ / ▼ / ◄ / ►)** to highlight your selection in the DVD main menu and press **ENTER** to confirm.

NOTE:

- Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.

Pause

DVD | DVD-RW (VR mode) | CD | MP3

1. During playback, press **PAUSE**.
   - Playback will pause and sound will be muted.
2. To continue playback, press **PLAY**.

NOTE:

- Set STILL MODE to FIELD on the Display menu if pictures in the pause mode are blurred. (Refer to page 16.)

Disc Menus

DVD

1. Press **MENU**.
   - The DVD main menu will appear.
2. If the feature is not available, ⃠ symbol may appear on the TV screen.
3. If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.
4. Press **Arrow (▲ / ▼ / ◄ / ►)** to select an item, and **ENTER** to confirm selection.

Title Menu

DVD

1. Press **TOP MENU**.
   - The title menu will appear.
2. If the feature is not available, ⃠ symbol may appear on the TV screen.
3. Press **Arrow (▲ / ▼ / ◄ / ►)** to select an item, and **ENTER** to confirm selection.
   - Playback will begin at the selected Title.

To call up a menu screen during playback

- Press **MENU** to call up the DVD main menu.
- Press **TOP MENU** to call up the title menu.

NOTE:

- Contents of menus and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.

Step by Step Playback

DVD | DVD-RW (VR mode)

1. During playback, press **PAUSE**.
   - Playback will pause and sound will be muted.
2. The disc goes forward by one frame each time **PAUSE** is pressed.
3. To exit step by step playback, press **PLAY**.

NOTE:

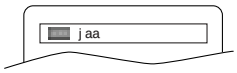
- Set STILL MODE to FIELD on the Display menu if pictures during step by step playback are blurred. (Refer to page16.)

Rapid Play

DVD

Available only on discs recorded in the Dolby Digital format, Rapid Play plays back in slightly faster/ slower speed while keeping the sound quality as in the normal playback.

1. During playback, press **MODE**.
   - The current setting appears.



2. Press **ENTER** to switch among ♪♪ (x1.3), ♪ (x0.8) and OFF.
   ♪ : Plays back approximately at 0.8 times of normal playback.
   ♪♪ : Plays back approximately at 1.3 times of normal playback.
3. To return to normal playback, press **PLAY**.

NOTES:

- Audio (language) setting cannot be changed while using this mode.
- Virtual Surround and Black Level settings cannot be changed while using this mode.
- Virtual Surround does not function while using this mode.
- This feature may not work at some point in a disc.
- When using digital audio connection (COAXIAL), the PCM sound will be output.

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Resume

DVD | DVD-RW (VR mode) | CD

1. During playback, press **STOP**.
   • Resume message will appear on the TV screen.
2. Press **PLAY**, playback will resume from the point at which playback was stopped.
   • To cancel resume, press **STOP** again.
   • To stop playback, press **STOP** twice from playback mode.

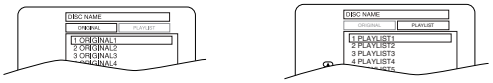
NOTE:
• For MP3, playback will resume from the beginning of the current track.

Playing the disc recorded in VR mode (Video Recording format)

DVD-RW (VR mode)

DVDs recorded in VR mode can have a PLAYLIST assigned to alter the order or content to be played. If a PLAYLIST has been created, you can choose the ORIGINAL or PLAYLIST option.

1. Press **MENU** in stop mode.
   • The current setting screen will appear.
   • Pressing **MENU** during playback is not valid.



2. Press ◄ or ► to select ORIGINAL or PLAYLIST.
   • PLAYLIST will not be displayed when it has not been made.
   • Resume playback will not be possible if you change the setting.
3. Press ▲ or ▼ to select a title, then press **ENTER**.
   • Playback will start.

NOTE:
• [ORIGINAL]: A list of titles which are recorded with a DVD recorder.
[PLAYLIST]: A list of titles which is made based on the ORIGINAL edited list.

Fast Forward / Reverse

DVD | DVD-RW (VR mode) | CD | MP3

1. During playback, press **FWD►►** or **REV◄◄** repeatedly to select the required forward or reverse speed.
   • For DVDs, fast forward or reverse speed is different depending on the disc. Approximate speed is 1 (x2), 2(x8), 3 (x50), and 4 (x100).
   • For audio CDs, the approximate speed is x16.
   • For MP3, the approximate speed is x8.
   • If you are using **FWD►►** or **REV◄◄** on the front panel, press and hold it for more than a few seconds. When you reach the desired speed, release the button.
2. To return to normal playback, press **PLAY**.

Slow Forward / Reverse

DVD | DVD-RW (VR mode)

1. During playback, press **PAUSE**.
2. Press **FWD►►** or **REV◄◄**.
   • Slow motion playback will begin and sound will be muted.
3. Press **FWD►►** or **REV◄◄** repeatedly to select the required speed.
   • Slow forward or reverse speed is different depending on the disc. Approximate speed is 1 (1/16), 2 (1/8), and 3 (1/2).
   • If you are using **FWD ►►** or **REV ◄◄** on the front panel, press and hold it for more than a few seconds. When you reach the desired speed, release the button.
4. To return to normal playback, press **PLAY**.

NOTE:
• Set STILL MODE to FIELD on the Display menu if pictures in the slow playback mode are blurred. (Refer to page 16.)

Zoom

DVD | DVD-RW (VR mode)

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

1. Press **ZOOM** during playback.
   • Playback will continue.
2. Press **ZOOM** repeatedly to select the required zoom factor: x2, x4 or OFF.
3. Use **Arrow (▲ / ▼ / ◄ / ►)** to move the zoomed picture across the screen.
4. To exit zoom mode, press **ZOOM** to OFF.

NOTES:
• Zooming function does not work while disc menu is shown.
• x4 zoom is not available on some discs.

Track Search

CD | MP3

There are three ways to begin playback on an audio CD, MP3 disc at a specific Track.

Using the Numerical buttons

1. Press the **numerical buttons** to enter the desired Track number.
   • Playback will start at the selected track.
   • For single digit tracks (1-9), press a single number (eg. track 3, press 3).
   • To play track 26, press +10, 2, 6 on the **numerical buttons**.

Using the SEARCH MODE.

1. Press **SEARCH MODE**.
   • The track search display appears.
2. Within 30 seconds, select a desired track number using the **numerical buttons**. For single digits press “0” first.
   • Playback will start at the selected track.

Using the SKIP |◄◄ ►►|

During playback, press **SKIP ►►|** to move to the next track. Press it quickly and repeatedly to skip subsequent tracks. Press **SKIP |◄◄** to go back to the beginning of the current track. Press it repeatedly to go to the previous tracks.
• Track number will appear briefly on the DVD display panel.
• If **SKIP |◄◄ ►►|** is pressed while the playback is paused, the playback will be paused again after skipping to the next track.

NOTE:
• **SKIP |◄◄ ►►|** are not available when playback is stopped.

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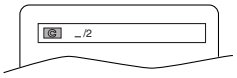
Title / Chapter Search

DVD | DVD-RW VR mode

1 Press **SEARCH MODE** repeatedly until the Chapter or Title search screen appears.
2 Enter the desired chapter/title number using the **numerical buttons**.



NOTE:
- Depending on the disc being played, this function can also be performed by directly entering the desired chapter number using **numerical buttons**. Refer to the manual accompanying the disc.

Time Search

DVD | DVD-RW VR mode | CD

1 Press **SEARCH MODE** repeatedly until the Time Search screen appears.
2 Within 30 seconds, enter a desired disc time using the **numerical buttons**.
- Playback will start at the specified time.
- When there is no need to enter a number, "0" appears automatically. For example, "0:0_:_ _" appears in the Time Search display if the total time of the disc is less than 10 minutes.

NOTE:
- Press **CLEAR** to erase the incorrect input.

Repeat

The repeat function is available only during playback.

DVD

To activate the repeat function, press **REPEAT** during playback.
- The repeat mode changes as described below every time you press the button.

CHAPTER (**current chapter** repeat) → TITLE (**current title** repeat) → OFF (repeat **off**)

DVD-RW VR mode

CHAPTER (**current chapter** repeat) → TITLE (**current title** repeat) → ALL (**entire disc** repeat) → OFF (repeat **off**)

NOTES:
- Repeat Title/Chapter is not available with some scenes.
- The REPEAT setting will be cleared when moving to other title or chapter.

CD

To activate the repeat function, press **REPEAT** during playback.
- The repeat mode changes as described below every time you press the button.

TRACK (**current track** repeat) → ALL (**entire disc** repeat) → OFF (repeat **off**)

NOTES:
- The REPEAT setting will be cleared when moving to other track.
- Repeat playback does not function during A-B REPEAT playback.

MP3

TRACK (**current track** repeat) → GROUP (**current group** repeat) → ALL (**entire disc** repeat) → OFF (repeat **off**)

A-B REPEAT

DVD | DVD-RW VR mode | CD

1 Press **A-B REPEAT** at your chosen starting point.
- A- appears briefly on the TV screen.

2 Press **A-B REPEAT** again at your chosen end point.
- A-B appears briefly on the TV screen, and the repeat sequence begins.

3 To exit the sequence, press **A-B REPEAT**.

NOTES:
- The A-B REPEAT section can only be set within the current title (for DVDs), or current track (for audio CDs).
- A-B REPEAT is not available with some scenes in DVD.
- To cancel the A point which was set, press **CLEAR**.
- A-B REPEAT playback does not function during title, chapter, track or all repeat playback.

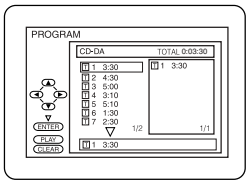
Program (CD)

CD

You may determine the order in which tracks will play.

1 Press **MODE** (playback must first be stopped).
- The PROGRAM screen appears.

2 Press ▲ or ▼ to select a track, then press **ENTER**.
- Press **CLEAR** to erase the most recently entered program.



3 Press **PLAY** to play the programmed tracks.

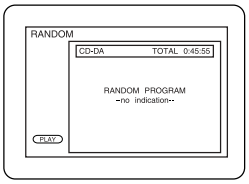
NOTES:
- Press **STOP** once and then **PLAY** again, playback will restart from the point where **STOP** was pressed.
- Press **STOP** twice and then **PLAY**. Playback starts from the first track in the original order. However, the program can be called back when you follow the above steps. Your programs will be stored unless either the disc tray is opened or power is turned off.
- Up to 99 tracks can be entered.
- To erase all tracks in the program at once, select ALL CLEAR at the bottom of the list at Step2.
- To repeat the current track in the program, press **REPEAT** repeatedly until TRACK appears during playback. If you like to repeat the entire program press **REPEAT** repeatedly until ALL appears during playback.

Random Playback (CD)

CD

This shuffles the playing order of tracks instead of playback in the sequence.

1 In stop mode, press **MODE** repeatedly until the RANDOM screen appears.
2 Press **PLAY** to start random playback.



NOTE:
- To repeat the current track in the random selection, press **REPEAT** repeatedly until TRACK appears during playback. To repeat the entire random selection press **REPEAT** repeatedly until ALL appears during playback.

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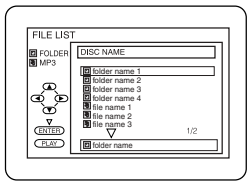
MP3 Playback

MP3

When a CD with MP3 files is inserted in the DVD player and **MENU** is pressed, the FILE LIST will appear on the display. The number of tracks is also displayed on the front panel.

1 Press ▲ or ▼ to select the desired group (folder) or track.
- If a group (folder) is selected, press ► or **ENTER** to go on to the track selection screen. Press ▲ or ▼to choose a track, then press **PLAY** or **ENTER**.
- If a track is selected, press **PLAY** or **ENTER** to start playing tracks. Starting from the one that has been chosen and the subsequent tracks will be played.
- Press **TOP MENU** to return to the first item.



2 Press **STOP** to stop playback.

NOTES:
- Folders are known as Groups; files are known as Tracks.
- Folders are accompanied by icon.
- MP3 files are accompanied by icon.
- Maximum of 255 folders can be recognized.
- Maximum of 512 files can be recognized.
- Up to 8 hierarchies can be created.

This player recommends the use of files recorded at the below specifications:
- Sampling frequency: 44.1kHz or 48kHz
- Constant bit rate: 112kbps ~ 320kbps.

Information on MP3 files

- This DVD player can play back images and sounds from data recorded in MP3 formats on CD-RW and CD-R discs.
- A file with an extension of ".mp3 (MP3)" is called an "MP3 file".
- The DVD player can run an image file conforming to the Exif specification. Exif is a file format, Exchangeable Image File format established by Japanese Electronic Industry Development Association (JEIDA).
- Files whose extension is other than ".mp3 (MP3)" will not be listed in the MP3 menu.
- If the file is not recorded in MP3 format, noise may be produced even if the file extension is ".mp3 (MP3)".
- The name of group and track can be displayed in up to 25 characters. Unrecognizable characters will be replaced with asterisks. The ninth and deeper hierarchies cannot be displayed.
- Unplayable groups or tracks may be displayed depending on the recording conditions.
- If **TOP MENU** is pressed when a file list is displayed, the first item will be highlighted.

Program (MP3)

MP3

This feature allows you to program an MP3 disc to play in a desired sequence.

1 Press **MODE** (playback must first be stopped).
- The PROGRAM screen will appear.

2 Press ▲ or ▼ to select a track, then press **ENTER**, to save it in a program.
- Press **CLEAR** to erase the incorrect input.

3 Press **PLAY** to start programmed playback.

NOTES:
- To erase all tracks in the program at once, select ALL CLEAR at the bottom of the list at Step 2.
- Press **STOP** once and then **PLAY** again, playback will restart from the beginning of the track at which **STOP** was pressed.
- Press **STOP** twice and then **PLAY**. Playback starts from the first track in the original order. However, the program can be called back when you follow the above steps. Your programs will be stored unless either the disc tray is opened or power is turned off.

Random Playback (MP3)

MP3

1 In stop mode, press **MODE** repeatedly until the RANDOM screen appears.

2 Press **PLAY** to play the tracks in random order.

Stereo Sound Mode

CD

1 Press **AUDIO** repeatedly during playback to select between STEREO, L-CH or R-CH.
STEREO - both right and left channels are active (stereo)
L-CH - only left channel is active
R-CH - only right channel is active

NOTE:
- If the Virtual Surround setting is ON, the sound mode will be fixed to STEREO, and can not be changed.

Audio Language

DVD DVD-RW VR mode

The DVD player allows you to select a language (if more than one languages are available) during DVD disc playback.

1 Press **AUDIO** during playback.

2 Press **AUDIO** repeatedly to select your desired language.

NOTES:
- The sound mode cannot be changed during playback of discs not recorded in double sound.
- Audio language selection cannot be made during Rapid Play. (Refer to page 10.)
- Pressing **AUDIO** may not work on some DVDs with multiple audio languages (e.g. DVDs which allow audio language setting on the disc menu).

NOTES (for VR mode only) :
- Pressing **AUDIO** cycles the sound mode through MAIN, SUB, MAIN + SUB.
- DVD-RW discs recorded in double sound (two languages) can be played back in MAIN, SUB or MAIN + SUB.

Mode		AUDIO OUTPUT	Display on the TV screen
MAIN	L	Main Audio	MAIN
	R	Main Audio	
SUB	L	Sub Audio	SUB
	R	Sub Audio	
MAIN SUB	L	Main Audio	MAIN+ SUB
	R	Sub Audio	

- With discs recorded in VR mode, changing the audio (MAIN, SUB or MAIN+SUB) is effective only when using an analogue connection. Although you may be able to change the settings of the on-screen display, it will not affect the sound when using a digital connection.

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Subtitle Language

DVD | DVD-RW VR mode

The DVD player allows you to select a language for subtitle (if available) during DVD disc playback.

1. Press **SUBTITLE** during playback.
2. Press **SUBTITLE** repeatedly to select your desired subtitle language.
   - The selected language will be displayed on the display bar at the top of the screen.
3. To turn off subtitles, press **SUBTITLE** repeatedly until OFF appears.

NOTES:

- Some discs allow audio language setting/subtitle language setting on the disc menu. (Operation varies between discs, so refer to the manual accompanying the disc.)
- If the desired language is not shown after pressing **SUBTITLE** several times, the disc does not have a subtitle in that language.
- If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Subtitle language setting. If you choose any other languages, '---' will be displayed instead. (Refer to page 17.)
- Pressing **SUBTITLE** may not work on some DVDs with multiple subtitle languages (e.g. DVDs which allow subtitle language setting on the disc menu).

Camera Angle

DVD

Some DVDs contain scenes which have been shot simultaneously from various angles. You can change the camera angle when the (🎥) icon appears on the screen. If the ANGLE ICON setting is OFF in the Display setting, the (🎥) icon will not appear. (Refer to page 16.)

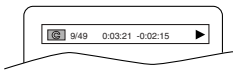
1. Press **ANGLE** during playback.
   - The selected angle will be displayed on the display bar at the top of the screen.
2. Press **ANGLE** repeatedly to select your desired angle.

Changing the On-Screen Display

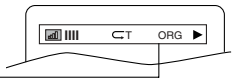
DVD | DVD-RW VR mode

You can check information about the current disc by pressing **DISPLAY** on the remote control.

1. Press **DISPLAY** during playback to show current Chapter.
   - The elapsed and remaining playing time of the current chapter will be displayed.



1. Press **DISPLAY** again to show current Title.
   - The elapsed and remaining playing time of the current title will be displayed.
3. Press **DISPLAY** again.
   - The BIT RATE and the current repeat setting will be displayed.
   - If you are playing a dual layered disc, the layer number will also be displayed (L0: Layer 0 is playing. L1: Layer 1 is playing).
   - If you are playing a DVD-RW with setting the PLAYLIST, the following will also be displayed. ORG: Playing the ORIGINAL. PL: Playing the PLAYLIST.



4. Press **DISPLAY** again to remove the display.

CD

1. Press **DISPLAY** during playback, the current Track will be displayed on the TV screen.
   - The elapsed and remaining playing time of the current track will be displayed.
2. Press **DISPLAY** again to show current Total Track.
   - The elapsed and remaining playing time of the current total track will be displayed.
3. Press **DISPLAY** again to remove the display.

MP3

1. Press **DISPLAY** during playback of an MP3 disc.
   - The name of the file currently in play will be displayed.
2. Press **DISPLAY** again to show the track number, the elapsed time (for MP3 only), the repeat status, and the playback status at the top of the screen.
   - 🔁 will be displayed when the repeat play has been selected.
     - 🔁 T- indicates Track repeat
     - 🔁 G- indicates Group (folder) repeat
     - 🔁 A- indicates All (disc) repeat
3. Press **DISPLAY** again to exit.

Marker Setup Screen

DVD | DVD-RW VR mode | CD

Use markers to memorize your favorite places on a disc.

1. During playback, press **SEARCH MODE** repeatedly until you see the Marker Setup screen. .
   - The Marker Setup screen appears on the TV display.
2. Press ◄ or ► to select a Marker (1 ~ 10), and ensure that "- : - - : - -" appears in the display.
3. When it reaches the desired point, press **ENTER**.
   - Selected number will turn to ☑ and the point will be marked.
   - The Title or Track and elapsed playing time will appear in the TV screen.
4. To return to the Marker later during playback, press **SEARCH MODE** repeatedly until you see the Marker Setup screen. Press ◄ or ► to choose the desired marker (one of the ☑ mark), then press **ENTER**.

NOTES:

- Opening the disc tray or turning off the power or select AC (All Clear) at step 2 and press **ENTER** will erase all Markers.
- To clear a marker using ◄ or ►, position the cursor on to the marker number to be cleared and press **CLEAR**.
- You can mark up to 10 points.

5. Press **SEARCH MODE** or **RETURN** to exit.

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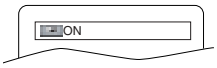
PLAYING A DISC

Black Level Setting

DVD | DVD-RW VR mode

Adjust the Black Level Settings to make the black parts of the picture as bright as you prefer.



1. During playback, press **MODE** repeatedly until the Black Level Setting screen appears.
2. Press **ENTER** to switch ON/OFF.
   ON : Makes the dark parts brighter.
   OFF : Shows the picture as recorded.
3. Press **MODE** or **RETURN** to exit.

NOTES:

- The setting will be saved even if the player is turned off.
- This function cannot be used during Rapid Play. (Refer to page 10.)

Virtual Surround

DVD | DVD-RW VR mode | CD | MP3

You can enjoy surround-sound effect over two speakers.

1. Press **MODE** repeatedly until the Virtual Surround screen appears.
2. Press **ENTER** to set it to 1 (Natural effect), 2 (Emphasized effect) or OFF.
3. Press **MODE** or **RETURN** to exit.

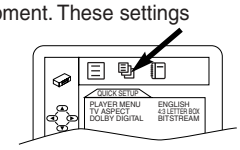
NOTES:

- The setting will be saved even if the player is turned off.
- The setting will not be effective unless the sound mode is set to STEREO (for audio CDs).
- Turn down the level or turn it "OFF" if the sound is distorted.
- This function cannot be used during Rapid Play. (Refer to page 10.)

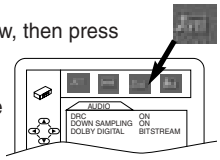
DVD SETUP

Audio Setting

Choose appropriate settings for best sound reproduction dependent on your externally connected equipment. These settings only affect DVD playback.



1. Press **SETUP** in STOP mode.
2. Press ◄ or ► to select (CUSTOM), then press **ENTER**.
   • On screen menu will appear.
3. Press ◄ or ► to select (AUDIO), then **ENTER** to confirm.
4. Press ▲ or ▼ to select the items below, then press **ENTER**.



DRC (Dynamic Range Control) :

- Choose ON to compress the range of sound volume.
- The default setting is ON.
- DRC function is available only on the discs recorded in the Dolby Digital format.

DOWN SAMPLING :

- Choose ON to set down sampling to 48kHz.
- Choose OFF when outputting in the original sound.
- The default setting is ON.
- When playing a disc with copyright protection, the sound will be down sampled at 48kHz even if you set it to OFF.
- DOWN SAMPLING function is available only on digital output of a disc recorded in 96kHz, and when the unit is connected to another source using the digital out jack.
- DOWN SAMPLING function is available only on the discs recorded in the Dolby Digital format.

DOLBY DIGITAL :

Set to BITSTREAM when the player is connected to Dolby Digital Decoder.
(BITSTREAM : Output by Dolby Digital)
(DPCM : Convert the Dolby Digital to PCM)

- The default setting is BITSTREAM.
- You can also adjust the setting from (QUICK) setup menu.

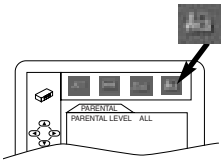
5. Press **SETUP** to exit.

Parental Control

Parental Control prevents disc being viewed that exceed the set limit, unless a password is used. This feature allows you to prevent discs with unsuitable scenes from being played by your children.

PARENTAL LEVEL

Parental Level allows you to set the rating level of your DVD discs. Playback will stop if the disc's ratings exceed the level you set.



1. Press **SETUP** in STOP mode.
2. Press ◄ or ► to select (CUSTOM), then press **ENTER**.
3. Press ◄ or ► to select (PARENTAL), then press **ENTER**.
4. Enter your four-digit password.
5. Press ▲ or ▼ to select PARENTAL LEVEL, then press **ENTER**.
6. Press ▲ or ▼ to select the desired level (ALL to LEVEL1), then press **ENTER**.
   • The rating levels continue on two menu screens. Press ▲ or ▼ to move to the next or previous screen to find the rating level.
7. Press **SETUP** to exit.

NOTES:

- When doing this for the first time, enter a 4-digit number (except for 4737), then press **ENTER**. This number will be used as the password from the second time onward.
- To change the password, press ▲ or ▼ to select CHANGE at step 5, then press **ENTER**. Enter the four-digit password, then press **ENTER**.
- With some DVDs, it may be difficult to find if they are compatible with parental lock. Be sure to check if the parental lock function operates in the way that you have set.
- Record the password in case you forget it.

IF YOU FORGET THE PASSWORD

1. Press **4**, **7**, **3**, **7** at step 4 in the PARENTAL LEVEL section.
   • Password will be cleared and parental level will be set to ALL.
2. Proceed the steps 4-7 again to set parental level.

PARENTAL CONTROL LEVELS

- **ALL** All parental lock is cancelled.
- **Level 8** DVD software of any grade (adult/general/children) can be played back.
- **Levels 7 to 2** Only DVD software intended for general use and children can be played back.
- **Level 1** Only DVD software intended for children can be played back, with those intended for adult and general use prohibited.

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Display Setting

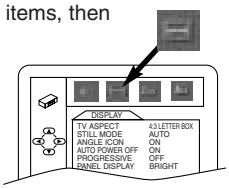
You can change certain aspects of the DVD display screens, on-screen messages and the display panel on the front of the DVD player.

1 Press **SETUP** in STOP mode.

2 Press ◄ or ► to select (CUSTOM), then press **ENTER**.
- On screen menu will appear.

3 Press ◄ or ► to select (DISPLAY), then **ENTER** to confirm.

4 Press ▲ or ▼ to select the below items, then press **ENTER**.



TV ASPECT :
- Press ▲ or ▼ for an item selection, then press **ENTER**.
- Select 4:3 LETTER BOX for a black bars appears on top and bottom of the screen.
- Select 4:3 PAN & SCAN for a full height picture with both sides trimmed. PAN & SCAN is only available on DVDs recorded with this option, if not LETTER BOX mode will be used.
- Select 16:9 WIDE if a wide-screen TV is connected to the DVD player.
- The default setting is 4:3 LETTER BOX.
- You can also adjust the setting from (QUICK) setup menu.

STILL MODE :
- Press ▲ or ▼ for an item selection (AUTO, FIELD, or FRAME), then press **ENTER**.
- This adjusts the resolution of still pictures.
- AUTO is normally selected (default).
- If you select FIELD, still pictures will be stabilized although they will be coarse due to little amount of data.
- If you select FRAME, still pictures will be highly defined although they will be blurred due to output of two fields at the same time.

ANGLE ICON :
- Press **ENTER** repeatedly to turn Angle icon ON or OFF.
- The default setting is ON.

AUTO POWER OFF :
- Press **ENTER** repeatedly to turn Auto Power off ON or OFF.
- The default setting is ON and it will turn the DVD player to off automatically after 35 minutes of no use.

PROGRESSIVE :
- Press ▲ or ▼ to set PROGRESSIVE to ON or OFF, then press **ENTER**.
- The setting will be effective when you exit the setup screen by pressing **SETUP**.
- When PROGRESSIVE is ON, “P.SCAN” appears on the DVD player’s display.
- The default setting is OFF.
- Refer to page 6 for more details.

PANEL DISPLAY :
- Press ▲ or ▼ for an item selection BRIGHT, DIMMER or AUTO, then press **ENTER**.
- This adjusts the brightness of the display panel with the factory default BRIGHT.
- When AUTO is selected, the display dims only during playback.

5 Press **SETUP** to exit.

NOTE:
- Be sure to press **SETUP**, or the setting will not work.

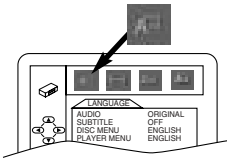
Language Setting

Language options are not available with some discs.

1 Press **SETUP** in STOP mode.

2 Press ◄ or ► to select (CUSTOM), then press **ENTER**.
- On screen menu will appear.

3 Press ◄ or ► to select (LANGUAGE), then press **ENTER** to confirm.



4 Press ▲ or ▼ to select the below items, then press **ENTER**.

AUDIO :
- Sets the audio language.

SUBTITLE :
- Sets the subtitle language.

DISC MENU :
- Sets the language for DVD Menu.

PLAYER MENU :
- Sets the language for the On-Screen display.
- You can also adjust the setting from (QUICK) setup menu.

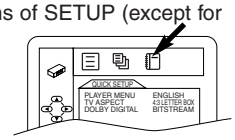
5 Press ▲ or ▼ to select a setting, then press **ENTER**.
- If OTHER is selected in the AUDIO, SUBTITLE or DISC MENU screen, press four-digit number to enter the code for the desired language. (Refer to the language code below.)
- Only the languages supported by the disc can be selected.

6 Press **SETUP** to exit.

NOTE:
- Language Setting for Audio and Subtitle is not available with some discs. Then use **AUDIO** and **SUBTITLE**. Details are on pages 13 and 14.

Returning all selections of SETUP (except for PARENTAL) to their default settings

This allows you to return all selections of SETUP (except for PARENTAL) to their default settings.

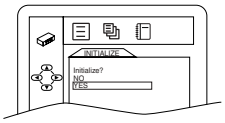


1 Press **SETUP** in STOP mode.

2 Press ◄ or ► to select (INITIALIZE), then press **ENTER**.

3 Select YES.

4 Press **SETUP** to exit.



NOTE:
- When you cancel to initialize at step 3, select NO.

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DVD SETUP

Language	Code
A-B	
Abkhazian	4748
Afar	4747
Afrikaans	4752
Albanian	6563
Amharic	4759
Arabic	4764
Armenian	5471
Assamese	4765
Aymara	4771
Azerbaijani	4772
Bashkir	4847
Basque	5167
Bengali;Bangla	4860
Bhutani	5072
Bihari	4854
Bislama	4855
Breton	4864
Bulgarian	4853
Burmese	5971
Byelorussian	4851
C-E	
Cambodian	5759
Catalan	4947
Chinese [CHI]	7254
Corsican	4961
Croatian	5464
Czech	4965
Danish [DAN]	5047
Dutch [DUT]	6058
English [ENG]	5160
Esperanto	5161
Estonian	5166
F-H	
Faroese	5261
Fiji	5256
Finnish [FIN]	5255
French [FRE]	5264
Frisian	5271
Galician	5358
Georgian	5747
German [GER]	5051
Greek [GRE]	5158
Greenlandic	5758
Guarani	5360
Gujarati	5367
Hausa	5447
Hebrew	5569
Hindi	5455
Hungarian [HUN]	5467
I-K	
Icelandic [ICE]	5565
Indonesian	5560
Interlingua	5547
Interlingue	5551
Inupiak	5557
Irish [IRI]	5347
Italian [ITA]	5566
Japanese [JPN]	5647
Javanese	5669
Kannada	5760
Kashmiri	5765
Kazakh	5757
Kinyarwanda	6469
Kirghiz	5771
Kirundi	6460
Korean [KOR]	5761
Kurdish	5767
L-N	
Laothian	5861
Latin	5847
Latvian;Lettish	5868
Lingala	5860
Lithuanian	5866
Macedonian	5957
Malagasy	5953
Malay	5965
Malayalam	5958
Maltese	5966
Maori	5955
Marathi	5964
Moldavian	5961
Mongolian	5960
Nauru	6047
Nepali	6051
Norwegian [NOR]	6061
O-R	
Occitan	6149
Oriya	6164
Oromo(Afan)	6159
Panjabi	6247
Pashto;Pushto	6265
Persian	5247
Polish	6258
Portuguese [POR]	6266
Quechua	6367
Rhaeto-Romance	6459
Romanian [RUM]	6461
Russian [RUS]	6467
S	
Samoan	6559
Sangho	6553
Sanskrit	6547
Scots Gaelic	5350
Serbian	6564
Serbo-Croatian	6554
Sesotho	6566
Setswana	6660
Shona	6560
Sindhi	6550
Singhalese	6555
Siswat	6565
Slovak	6557
Slovenian	6558
Somali	6561
Spanish [SPA]	5165
Sundanese	6567
Swahili	6569
Swedish [SWE]	6568
T	
Tagalog	6658
Tajik	6653
Tamil	6647
Tatar	6666
Telugu	6651
Thai	6654
Tibetan	4861
Tigrinya	6655
Tonga	6661
Tsonga	6665
Turkish [TUR]	6664
Turkmen	6657
Twi	6669
U-Z	
Ukrainian	6757
Urdu	6764
Uzbek	6772
Vietnamese	6855
Volapuk	6861
Welsh	4971
Wolof	6961
Xhosa	7054
Yiddish	5655
Yoruba	7161
Zulu	7267

If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio or Subtitle language setting on pages 13 and 14. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

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TROUBLESHOOTING GUIDE

If the DVD player does not perform properly when operated as instructed in this Operation Manual, check the player, consulting the following checklist.

Problem	Solution
No power	–Check if the AC power cord is properly connected.
No picture	–Check if the TV is switched on. –Check that the VIDEO cable is connected to the correct device (See Connecting to a TV).
Distorted picture	–Sometimes a small amount of picture distortion may appear. This is not a malfunction. –Check if the INTERLACE/PROGRESSIVE SCAN is set correctly according to your TV.
Completely distorted picture or black/white picture with DVD	–Connect DVD player directly to the TV. –Make sure the disc is compatible with the DVD player.
No sound or distorted sound	–Adjust the volume. –Check that the speakers are connected correctly. –Check that the AUDIO cable is connected to the correct device (See Connecting to a TV).
No audio at digital output	–Check the digital connections. –Check if the audio format of the selected audio language matches your receiver capabilities.
No DTS audio at analogue output.	–This player does not support DTS audio. This is not a malfunction.
Picture freezes momentarily during playback	–Check the disc for fingerprints/scratches and clean with a soft cloth wiping from center to edge.
Disc can't be played	–Ensure the disc label is facing up. –Check if the disc is defective by trying another disc.
No return to start-up screen when disc is removed	–Reset the player by switching the player off, then on again.
The player does not respond to the remote control	–Aim the remote control directly at the sensor on the front of the player. –Reduce the distance to the player. –Replace the batteries in the remote control. –Re-insert the batteries with their polarities (+/– signs) as indicated.
Buttons do not work or player stops responding	–To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	–Operations may not be permitted by the disc. Refer to the instructions of the disc.
DVD player cannot read CDs/DVDs	–Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD player for repair.

NOTES:

- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Operation Manual for details on correct operations.
- Playback from a desired track and random playback are not available during program playback.
- Some functions are prohibited on some discs.

If you are unable to remedy a problem by following these hints, consult a Sharp Authorized Service Center.

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SPECIFICATIONS

PRODUCT TYPE

DVD Player

DISCS (PLAYBACK COMPATIBILITY)

DVD Video
Audio CD
CD-RW / R
DVD-RW / R, DVD+RW / R

OUTPUT SIGNAL FORMAT

NTSC color

FREQUENCY RESPONSE

DVD (linear sound) :	20 Hz to 20 kHz (sample rate: 48 kHz)
	20 Hz to 44 kHz (sample rate: 96 kHz)
CD :	20 Hz to 20 kHz

SIGNAL-TO-NOISE RATIO (S/N RATIO)

CD :	120 dB (JEITA)

DYNAMIC RANGE

DVD (linear sound) :	102 dB
CD :	99 dB (JEITA)

TOTAL DISTORTION FACTOR

DVD :	0.0025% (JEITA)
CD :	0.003% (JEITA)

WOW AND FLUTTER

Below the measurement limitation (± 0.001 % W PEAK) (JEITA)

CONNECTIONS

Video output	One RCA connector, 1 Vpp (75 Ω)
Component video output	One pin jack (Y), 1 Vpp (75 Ω) Two pin jacks (C_R/P_R, C_B/P_B), 700mVpp (75 Ω)
S-Video output	Mini DIN 4-pin jack (75 Ω)
Analog audio output	Two RCA connectors (one left channel, one right channel) 2 Vrms (47 kΩ)
Coaxial digital audio output	One pin jack, 500mVpp (75 Ω)
Optical digital audio output	Optical connector

POWER SOURCE

120V AC +/- 10 %, 60 Hz +/- 0.5 %

POWER CONSUMPTION

10 W (standby: 0.8 W)

OPERATING TEMPERATURE

41 F° to 104 F° (5 °C to 40 °C)

DIMENSIONS

W: 17 1/8" (435 mm)
H: 2" (51 mm)
D: 8 5/16" (211 mm)

WEIGHT

Approx. 2.9 lbs. (1.3 kg)

- **Designs and specifications are subject to change without notice.**
- **If there is a discrepancy between languages, the default language will be English.**

MAINTENANCE

Cleaning the Cabinet

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out. Do not wipe in a circular motion.
- Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for analogue records.

Cleaning the disc lens

- If the player still does not perform properly when it is operated while referring to the relevant sections and to "TROUBLESHOOTING GUIDE" in this Operation Manual, the laser optical pickup unit may be dirty. Consult your dealer or a Sharp Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

Disc Handling

- Use discs which have the following logos on them. (Optical audio digital discs.)

- Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.
- Always store the disc in its protective case when it is not used.

SERVICE INFORMATION (For the U.S.)

For the location of the nearest Sharp Authorized Service Center, or to obtain product literature, accessories, supplies or customer assistance, please call **1-800-BE-SHARP** (1-800-237-4277) or visit SHARP's website (http://**www.sharpusa.com**).

Make your contribution to the environment!!!

- Used up batteries do not belong in the dust bin.
- You can dispose of them at a collection point for used up batteries or special waste. Contact your council for details.

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Para futura referencia, anote los números de modelo y de serie (indicados en la parte posterior esta unidad) en el espacio provisto.

No. de modelo: DV-SL80U

No. de serie: _____

AVISO: PARA REDUCIR EL RIESGO DE INCENDIO O ELECTROCHOQUE NO EXPONGA ESTE APARATO A LA HUMEDAD.

PRECAUCIÓN: PARA EVITAR DESCARGAS ELÉCTRICAS, HAGA QUE LA PALETA ANCHA DEL ENCHUFE COINCIDA CON LA RANURA ANCHA E INTRODÚZCALA HASTA EL FONDO.

PRECAUCION

PELIGRO DE DESCARGA ELECTRICA NO ABRIR DECLARACIÓN DE CONFORMIDAD

PRECAUCION:
TPARA REDUCIR EL RIESGO DE DESCARGA ELECTRICA, NO QUITE LA CUBIERTA. EL USUARIO NO DEBERA DAR NINGUN TIPO DE SERVICIO A NINGUNA PARTE INTERNA. DEBERA SER REALIZADO SOLO POR PERSONAL DE SERVICIO CALIFICADO.

Este símbolo previene al usuario del voltaje aislado dentro de la unidad que puede provocar descargas eléctricas peligrosas.

Este símbolo advierte al usuario que existen instrucciones de operación y de mantenimiento en la literatura incluida en esta unidad.

"ADVERTENCIA—Las reglas de la FCC (Comisión Federal de Comunicaciones) estipulan que cualquier modificación o cambio a este equipo no aprobado expresamente por el fabricante podrá anular la autorización del usuario para operar este equipo".

Este dispositivo cumple con la Parte 15 de las reglas de la FCC (Comisión Federal de Comunicaciones). La operación se encuentra sujeta a las dos condiciones siguientes:
(1) Este dispositivo no debería producir interferencias perjudiciales, y
(2) este dispositivo debe aceptar cualquier interferencia recibida, incluyendo las que puedan producir una operación indeseable.

INFORMACION
Este equipo se ha sometido a todo tipo de pruebas y cumple con las normas establecidas para dispositivo digital de Clase B, de conformidad con la Parte 15 de las reglas de la FCC (Comisión Federal de Comunicaciones). Estas reglas están diseñadas para asegurar una protección razonable contra interferencias perjudiciales en las instalaciones residenciales. Este equipo genera, utiliza y puede emitir energía de radiofrecuencia y, si no se instala y utiliza debidamente, es decir, conforme a las instrucciones, podrían producirse interferencias perjudiciales en las radiocomunicaciones. Sin embargo, no se garantiza que estas interferencias no se produzcan en una instalación determinada. Si este equipo ocasiona interferencias en la recepción de radio o televisión, lo cual puede comprobarse con sólo apagar y encender el equipo, intente corregir el problema mediante una o una combinación de las siguientes medidas:
—Reoriente la antena receptora o cámbiela de lugar.
—Aumente la separación entre el equipo y el receptor.
—Enchufe el equipo a una toma de corriente situada en un circuito distinto del receptor.
—Consulte a su distribuidor o a un técnico experto en radio/televisión.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
Este aparato digital de la Clase B cumple con la norma ICES-003 de Canadá.

PRECAUCION:

ESTA UNIDAD HA SIDO CLASIFICADA COMO PRODUCTO CLASS 1 LASER.

EL USO DE MANDOS O AJUSTES O LA REALIZACION DE PROCEDIMIENTOS DISTINTOS DE LOS INDICADOS EN LA PRESENTE IMPLICA EL RIESGO DE EXPOSICION A UNA RADIACION PELIGROSA.

COMO LOS RAYOS LASER UTILIZADOS EN ESTA UNIDAD PUEDEN RESULTAR PERJUDICIALES PARA SUS OJOS, NO INTENTE DESARMAR EL GABINETE. SOLICITE EL SERVICIO UNICAMENTE A PERSONAL CUALIFICADO.

Los productos que han ganado la marca ENERGY STAR® han sido diseñados para proteger el medio ambiente mediante una eficiencia superior en el uso de la energía.

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IMPORTANTES MEDIDAS DE SEGURIDAD Y PRECAUCIONES

1) Lea las instrucciones - Lea detenidamente todas las instrucciones de seguridad y operación antes de usar el producto.
2) Conserve las instrucciones - Conserve las instrucciones de seguridad y operación para consultas futuras.
3) Respete las advertencias - Observe estrictamente todas las advertencias impresas en el producto y las incluidas en el manual de instrucciones.
4) Siga las instrucciones - Siga todas las instrucciones de operación.
5) Limpieza - Desconecte el producto del tomacorriente mural antes de limpiarlo. No use limpiadores líquidos ni aerosol. Use un paño húmedo para la limpieza del producto.
6) Enchufes - No use enchfes no recomendados por el fabricante del producto, ya que podría ser peligroso.
7) Agua y humedad - No use este producto cerca del agua, por ejemplo, cerca de una bañera o lavamanos, cerca del fregadero de la cocina o lavandería, en un piso mojado, cerca de una piscina, etc.
8) Accesorios - No instale este producto en un carro, soporte, trípode o mesa inestables. El grabador de videocassettes podría caerse, causando serias lesiones a un niño o adulto, resultando también severamente dañado. Uselo sólo el un carro, soporte, trípode o mesa recomendados por el fabricante, o vendidos con el producto. Toda instalación del producto deberán hacerse de acuerdo a las instrucciones del fabricante, empleando los accesorios de instalación recomendados por el mismo.

9) La combinación de producto y carro debe ser movida con cuidado. Las detenciones bruscas, la fuerza excesiva y las superficies disparejas podrán hacer que el producto y el carro se vuelquen.
10) Ventilación - El gabinete del producto tiene renuras y aberturas de ventilación que garantizan el funcionamiento confiable del producto, evitando que se recaliente. Estas aberturas no deberán ser bloquear las aberturas, nunca setúe el grabador de videocassettes encima de una cama, sofá, alfombra u otra superficie similar. El grabador de videocassettes no debe ser instalado en un mueble emportado, como una repisa para libros o bastidor, a menos que se pueda garantizar una ventilación adecuada, o cuando las instrucciones del fabricante así lo especifiquen.
11) Alimentación - Este grabador de videocassettes sólo debe ser operado mediante el tipo de fuente de alimentación especificado en la etiqueta indicadora. Si no seta seturo del tipo de fuente de alimentación que tiene en su casa, consulte a su distribuidor o a la compañía de electricidad local En el caso de grabador de doseñados para funcionar a pilas o con otras fuentes de alimentación, consulte el manuel de instrucciones respectivo.
12) Conexión a tierra o polarización - Este producto está equipado con una clavija polarizada de corriente alterna (una clavija que tiene una espiga más ancha que la otra). Esta clavija solamente pordá ser insertada en el tomacorriente en una sola dirección. Esta es una medida de seguridad. Si no puediera insertar completamente la clavija en el tomacorriente, vuelva a intentarlo invirtiendo la clavija. Si aún no fuera posible insertar la clavija, tome contacto con un electricista para que repare su tomacorriente obsoleto . No modifique las características de seguridad de la clavija polarizada.
13) Protección del cable de alimentación - Los cables de alimentación deberán ser tendidos de manera tal que la probabilidad de que sean pisados o aplastados por otros objetos sea mínima. Preste especial atención a las clavijas de los cables, a los receptáculos, y al punto por donde salen del producto.
14) Tormentas eléctricas - Como medida adicional de protección durante tormentas eléctricas, o cuando el producto permanezca sin uso durante períodos prolongados de tiempo, desconéctelo del tomoacorriente mural y desconecte la antena o sistema de cable. Esto evitará que el grabador de videocassettes resulte dañado por tormentas eléctricas o sobretensiones en la línea de alimentación.
15) Líneas de alimentación - Un antena exterior no debe ser instalada en la cercanía de líneas de alimentación aéreas ni de otros circuitos de potencial para iluminación eléctrica, o donde pueda caerse y hacer contacto con tales líneas o circuitos. Al instalar un sistema de antena exterior, enta mucho cuidado de no tocar tales líneas o circuitos de alimentación, ya que el contacto con ellos podría será fatal.
16) Sobrecarga - No sobrecargue los tomacorrientes murales ni los cables de extensión, ya que esto podría causar incendios o descargas eléctricas.
17) Entrada de objetos y líquidos - Nunca introduzca objetos de ningún tipo por las aberturas de sete producto, ya que podría tocar peligrosos puntos de alta tensión o cortocircuitar partes, provocando incendios o descargas elécticas. Nunca derrame ningún tipo de líquido sobre el producto.
18) Servicio - No intente reparar el producto usted mismo; al abrir o desmontar las cobiertas usted se expondrá a alta tensión y a otros peligros. Solicite todo servicio a personal calificado.
19) Daños que requieran reparación - En los siguientes casos, desconecte el producto del tomacorriente mural y llame a un técnico de servicio calificado:
    a) Cuando el cable de alimentación o la clavija estén dañados,
    b) Si se ha derramado líquido sobre la unidad, o si algún objeto ha caído dentro del producto,
    c) Si el producto ha sido expuesto a la lluvia o al agua,
    d) Cuando a pesar de haber sebuido las instrucciones de operación, el producto no funcione normalmente. Ajuste solamente los controles mencionados en el manual de instrucciones; el ajuste incorrecto de otros controles podrá causar daños a la unidad, la que por lo general requerirá de un prolongado trabajo de reparación (por un técnico calificado) para que sus condiciones normales de operación puedan ser restablecidas,
    e) Si el producto se ha caído o si el gabinete se ha dañado.
    f) Cuando el producto muestre un cambio notorio en su rendimiento.
20) Piezas de requesto - Cuando sea necesario reemplazar piezas, asegúrese de que el técnico de servicio emplee las piezas de requesto especificadas por el fabricante, o piezas que tengan las mismas características que las piezas originales. Las sustituciones no autorizadas podrán causar incendios, descargas eléctricas y otoros problemas.
21) Revisión de seguridad - Al finalizar cualquier servicio de mantenimiento o reparación de este producto, solicítele al técnico que efectúe comprobaciones de seguridad para determinar si el producto se encuentra o no en condiciones óptimas de operación.
22) Calor - Este producto debe colocarse fuera del alcance de fuentes de calor tales como radiadores, rejillas de calefacción, estufas o cualquier otro producto destinado a producir calor, incluyendo los amplificadores.

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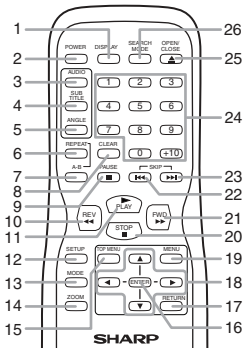
CONROLES DE OPERACIÓN Y FUNCIONES

PANEL DELANTERO

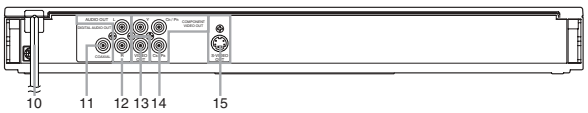
1. **Botón de la alimentación (POWER)**
   Púlselo para conectar y desconectar la alimentación.
2. **Botón de reproducción (PLAY)**
   Inicie la reproducción del contenido del disco.
   Púlselo para activar/ disactivar la exploración progresiva. Consulte la pagina 5.
3. **Botón de parada (STOP)**
   Detiene la operación del disco.
4. **Botón de SKIP |◄◄ / REV ◄◄**
   Púlselo para volver al capítulo o pista anterior durante la reproducción; manténgalo pulsado durante 1,5 segundos para hacer la búsqueda en retroceso.
5. **Botón de SKIP ►►| / FWD ►►**
   Púlselo para avanzar al capítulo o pista siguiente durante la reproducción; manténgalo pulsado durante 1,5 segundos para hacer la búsqueda hacia adelante.

MANDO ADISTACIA



1. **Botón DISPLAY [pagina 14]**
   Presione para tener acceso o remover la pantalla de visualización durante reproducción.
2. **Botón POWER [pagina 10]**
   Presione para conectar y desconectar la alimentación. (Para las indiaciones del interruptor de funcionamiento, “I” indica la conexión y “y/I ” indica el estado de espera de alimentación eléctrica.)
3. **Botón AUDIO [pagina 13]**
   Presione para seleccionar un idioma de audio deseado o modo de sonido.
4. **Botón SUBTITLE [pagina 14]**
   Presione para seleccionar un idioma de subtítulo deseado.
5. **Botón ANGLE [pagina 14]**
   Presione para cambiar el ángulo de cámara para ver la secuencia que se está reproduciendo desde un ángulo diferente.
6. **Botón REPEAT [pagina 12]**
   Repite la reproducción del disco, título, capítulo o pista actual.
7. **Botón A-B REPEAT [pagina 12]**
   Repite la reproducción de una sección seleccionada.
8. **Botón CLEAR [pagina 12]**
   Presione para reponen el ajuste.
9. **Botón PAUSE [pagina 10]**
   Presione para pausar la reproducción de Disco. Presione repetidamente para avanzar la imagen DVD paso a paso (o un fotograma cada vez).
10. **Botón REV [pagina 11]**
    Presione para ver la imagen DVD en movimiento de inversión rápida o para invertir la reproducción de un DC de Audio.
11. **Botón PLAY [pagina 10]**
    Presione para comenzar a reproducir.
12. **Botón SETUP [pagina 15]**
    Presione para introducir el modo de preparación o para cambiar ítems de configuración.
13. **Botón MODE [paginas 10, 12, 13, 15]**
    Activa modo de reproducción de programa o reproducción aleatoria cuando se reproducen CDs o MP3. Ajusta Nivel de negro, Virtual Surround, o reproducción rápido.
14. **Botón ZOOM [pagina 11]**
    Amplía parte de una imagen reproducida-DVD.
15. **Botón TOP MENU [pagina 10]**
    Presione para visualizar el menú de títulos del Disco.
16. **Botón ENTER [pagina 10]**
    Presione para aceptar un ajuste.
17. **Botón RETURN [pagina 15]**
    Vuelve a la operación previa.
18. **Botones de flecha (▲ / ▼ / ◄ / ►) [pagina 10]**
    Mueve el cursor y determina suposición.
19. **Botón MENU [pagina 10]**
    Presione para visualizar el menú del Disco o lista de archivos MP3.
20. **Botón STOP [pagina 10]**
    Detiene la operación del disco.
21. **Botón FWD [pagina 11]**
    Presione para avanzar rápidamente el Disco. Presione el Botón PAUSE, luego presione el Botón FWD iniciar a reproducción en movimiento lento. Presione el Botón FWD repetidamente para cambiar la velocidad de avance del movimiento lento.
22. **Botón SKIP ►►| [página 11]**
    Inicia la reproducción desde el principio del capítulo o pista siguiente.
23. **Botón SKIP |◄◄ [página 11]**
    Inicia la reproducción desde el principio del capítulo o pista actual.
24. **Botones numéricos**
25. **Botón OPEN/CLOSE [pagina 10]**
    Presione para insertar discos en o removerlos de la bandeja de disco.
26. **Botón SEARCH MODE [paginas 11, 14]**
    Presione para volver a un punto determinado o memo rizar los lugares preferidos de un disco.

PANEL TRASERO



6. **Botón de abertura/cierre (OPEN/CLOSE)**
   Púlselo para introducir discos en la bandeja o sacarlos de ella.
7. **Bandeja de disco (Disc tray)**
8. **ventanilla sensora de control remoto (Remote sensor window)**
9. **Pantalla de visualización (Display)**
   Púlselo para conectar y desconectar la alimentación.
10. **Cable de alimentación (AC Power Cord)**
    Conecte a una toma de alimentacion.
11. **Toma de salida de audio digital coaxial (Digital audio out)**
12. **Toma de salida de audio (AUDIO OUT Left/Right)**
13. **Toma de salida de vídeo (VIDEO OUT)**
14. **Toma de salida de vídeo componente (COMPONENT VIDEO OUT)**
15. **Toma de salida de vídeo S (S-VIDEO OUT)**

PRECAUCIÓN: No toque los contactos interiores de las tomas del panel trasero. La descarga electrostática puede causar daños permanentes en el reproductor.

Selección de Exploración Progresiva (525p/480p o Reproducción Entrelazada 525i/480i)

¡Si su televisor dispone de exploración progresiva (525p/480p), conecte el televisor a los enchufes Component Video Output de esta unidad. En el menú pantalla (Display) de esta unidad, ajuste “PROGRESIVO” a “ENC.” Ajuste su televisor a exploración progresiva. Para más información, consulte las pagina 16.

¡Si su televisor no es compatible con el escaneado progresivo, ajuste “PROGRESIVO” a “APDO.” (asegúrese de que “P. SCAN” desaparece de la pantalla de la unidad).

¡Utilice un adaptador de venta en tiendas si las clavijas de entrada de su televisor o monitor son de tipo BNC.

¿Qué es Exploración Progresiva?

¡Distinto de exploración entrelazada convencional, el sistema de exploración progresiva de reproductor DVD provee menos imágenes oscilantes en resolución superior que la de señales de televisión tradicional (525i/480i).

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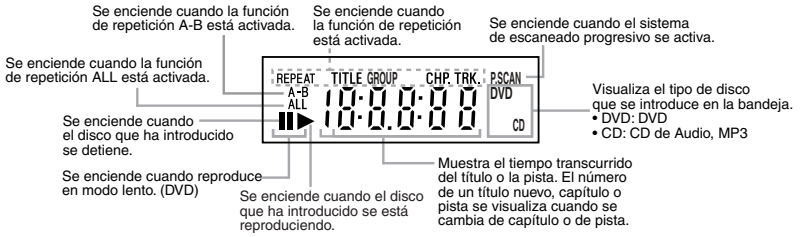
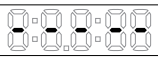
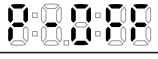
CONTROLES DE OPERACIÓN Y FUNCIONES

Visualización

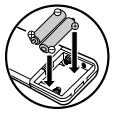

Se enciende cuando la función de repetición A-B está activada.
Se enciende cuando la función de repetición está activada.
Se enciende cuando el sistema de escaneado progresivo se activa.
Se enciende cuando la función de repetición ALL está activada.
REPEAT
A-B
ALL
TITLE GROUP
CHP. TRK.
PSCAN
DVD
CD
Visualiza el tipo de disco que se introduce en la bandeja.
• DVD: DVD
• CD: CD de Audio, MP3
Se enciende cuando el disco que ha introducido se detiene.
Se enciende cuando reproduce en modo lento. (DVD)
Se enciende cuando el disco que ha introducido se está reproduciendo.
Muestra el tiempo transcurrido del título o la pista. El número de un título nuevo, capítulo o pista se visualiza cuando se cambia de capítulo o de pista.

Visualizaciones Durante la Operación

	Conexión de alimentación
	No hay disco insertado
	Bandeja abierta
	Bandeja cerrada
	Carga del disco
	Desconexión de alimentación

Instalación de las Pilas

1. Abra la tapa del compartimiento de las pilas.
2. Introduzca dos pilas AA con las polaridades colocadas correctamente.
3. Cierre la tapa.



NOTAS
- No mezcle pilas alcalinas y de manganeso.
- No mezcle pilas viejas y nuevas.

CONEXIONES

Conexión a un TV utilizando una toma VIDEO OUT o una toma S-VIDEO OUT

Utilice un cable de vídeo S (de venta en el comercio) en lugar del cable de vídeo amarillo para disfrutar de imágenes de más alta calidad. Consulte la página 8.

Conexión a un Amplificador Equipado con tomas de Entrada Digital, Platina MD o Platina DAT

Para hacer las conexiones de audio utilice cables digitales coaxiales de audio (de venta en el comercio). Consulte la página 9

Conexión a un Descodificador Dolby Digital

Si utiliza este reproductor DVD para reproducir un DVD en un formato de sonido ambiental Dolby Digital de 5,1 canales el reproductor DVD dará salida a un flujo de datos Dolby Digital desde su toma COAXIAL DIGITAL AUDIO OUT. Conectando el reproductor a un descodificador Dolby Digital, usted podrá disfrutar de un ambiente más convincente y real, con un sonido ambiental potente y de alta calidad de estándar profesional como el que puede oírse en los cines.
Para hacer las conexiones de audio utilice cables digitales coaxiales de audio (de venta en el comercio). Consulte la página 9.

Conexión a un Televisor o a un Televisor Estéreo Que tenga tomas Component Video in

Consulte la página 9.

REPRODUCCIÓN DE UN DISCO

Reproducción básica

DVD **DVD-RW** modo VR **CD** **MP3**

Para empezar

Conecte la alimentación del televisor, amplificador y cualquier otro componente que esté conectado al reproductor DVD. (Cambie el sistema de entrada para adaptarlo al reproductor DVD, y compruebe que el volumen del sonido sea correcto.)

1 Pulse el botón **POWER**.
- La alimentación se conectará.

2 Pulse el botón **OPEN/CLOSE**.
- La bandeja de carga del disco se abrirá.

3 Ponga un disco en la bandeja.
- Asegúrese de que el disco esté correctamente asentado en el hueco correcto, con el lado de la etiqueta hacia arriba.

4 Pulse el botón **PLAY**.
- La bandeja se cerrará automáticamente y la reproducción empezará desde el primer capítulo o pista del disco. Necesitará pulsar el botón PLAY sólo cuando la bandeja haya sido cerrada pulsando el botón OPEN/CLOSE.
- Cuando reproduzca un DVD que tenga grabado un menú de títulos, el menú tal vez aparezca en la pantalla.

5 Pulse el botón **STOP** para detener la reproducción.

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CONSUMER LIMITED WARRANTY

(Valid for warranty service in the U.S. only)

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

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Model Specific Section

Your Product Model Number & Description:	DV-SL80U DVD Video Player (Be sure to have this information available when you need service for your Product.)
Warranty Period for this Product:	One (1) year parts and ninety (90) days labor from date of purchase.
Additional Item(s) Excluded from warranty Coverage (if any):	Non-rechargeable batteries.
Where to Obtain Service:	Call Sharp Electronics corporation toll free at 1-800-BE-SHARP for instructions on how to obtain service on your DVD player.
What to do to Obtain Service:	Ship your product, prepaid, as per the instruction given by the Sharp representative at the toll free number (1-800-BE-SHARP). BE sure to have your proof of purchase available. Be sure to ship the product securely packaged and insured against shipping damage.

TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION, GO TO OUR WEBSITE AT **www.sharpusa.com** OR CALL **1-800-BE-SHARP**.

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